Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grading Mod: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mrs. G Mr. H Mr. S

Data Analysis Lab 6.2 (pg. 169)

*Biology*; Glencoe McGraw-Hill; 2007 edition

**Background Knowledge:** (Author assumes you know and understand. Do you?)

Define: Soluble Insoluble Fiber Cholesterol

Other: Examples of fiber mmol/L Calculating a percentage Effect of cholesterol on heart

Control in an experiment

**Interpret the data:** read the experiment on page 169 in textbook. Follow direction on next page.

Problem

Conclusion

Percent change for men:

Percent change for women:

Observations

**Directions for interpreting the data:**

1. State the problem.
2. Write down the cholesterol levels for men and women for each type of fiber in the observations box. Be sure to label.
3. Calculate the percent changes for men and women for each type of fiber in the next set of boxes.
4. Answer the following question in the conclusion box:

“Describe the effects soluble fiber appears to have on cholesterol levels in the blood.”

Be sure to use the following words in your answer: indicate, for example, fiber, cholesterol, diet

Follow Up:

What lingering question do you have from interpreting this lab? For example, one might wonder exactly how much fiber someone should eat each day. Write your question below.